

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/538,405A
Source: PCT
Date Processed by STIC: 6-14-06

ENTERED

IAP7 Rec'd PCT/PTO 20 JUN 2006



PCT

RAW SEQUENCE LISTING

DATE: 06/14/2006

PATENT APPLICATION: US/10/538,405A

TIME: 10:33:51

Input Set : A:\21556.TXT

Output Set: N:\CRF4\06142006\J538405A.raw

```

3 <110> APPLICANT: Roche Diagnostics Operations, Inc.
5 <120> TITLE OF INVENTION: Optimised Protein Synthesis
7 <130> FILE REFERENCE: 21556
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/538,405A
C--> 10 <141> CURRENT FILING DATE: 2005-06-09
12 <160> NUMBER OF SEQ ID NOS: 57
14 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 84
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer C
24 <400> SEQUENCE: 1
25 gaaattaata cgactcacta tagggagacc acaacgggtt ccctctagaa ataattttgt 60
26 ttaactttaa gaaggagata tacc 84
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 71
31 <212> TYPE: DNA
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer D
37 <400> SEQUENCE: 2
38 caaaaaaccc ctcaagaccc gtttagaggc cccaaggggg gccgccagtg tgctgaattc 60
39 gccttttatt a 71
42 <210> SEQ ID NO: 3
43 <211> LENGTH: 30
44 <212> TYPE: DNA
45 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
49 without hairpinloop
51 <400> SEQUENCE: 3
52 aggagatata ccatgactag caaaggagaa 30
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 42
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
62 Stem Length 4 bp
64 <400> SEQUENCE: 4
65 aggagatata ccatgactaa ttttagtact agcaaaggag aa 42

```

RAW SEQUENCE LISTING

DATE: 06/14/2006

PATENT APPLICATION: US/10/538,405A

TIME: 10:33:51

Input Set : A:\21556.TXT

Output Set: N:\CRF4\06142006\J538405A.raw

```

68 <210> SEQ ID NO: 5
69 <211> LENGTH: 45
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
75     Stem Length 5 bp
77 <400> SEQUENCE: 5
78 aggagatata ccatgactgt ttatacagta actagcaaag gagaa           45
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 48
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
88     Stem Length 6 bp
90 <400> SEQUENCE: 6
91 aggagatata ccatgactgg tcaattacca gtaactagca aaggagaa       48
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 51
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
101     Stem Length 7 bp
103 <400> SEQUENCE: 7
104 aggagatata ccatgactgc ttacatcaa gcagtaacta gcaaaggaga a   51
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 51
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
114     Stem Length 8 bp
116 <400> SEQUENCE: 8
117 aggagatata ccatgactgc acgtgatcgt gcagtaacta gcaaaggaga a   51
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 30
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer B
128 <400> SEQUENCE: 9
129 attgccttt tattaatgat gatgatgatg           30
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 60
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 06/14/2006

PATENT APPLICATION: US/10/538,405A

TIME: 10:33:51

Input Set : A:\21556.TXT

Output Set: N:\CRF4\06142006\J538405A.raw

```

138 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
140 <400> SEQUENCE: 10
141 aggagatata ccatgactag cactgcacgt gcacgtgcga gtgtaaaagg agaagaactt 60
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 63
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
152 <400> SEQUENCE: 11
153 aggagatata ccatgactag caaaactgca cgtgcacgt gcagtgtagg agaagaactt 60
154 ttc 63
157 <210> SEQ ID NO: 12
158 <211> LENGTH: 66
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
165 <400> SEQUENCE: 12
166 aggagatata ccatgactag caaaggaact gcacgtgcat cgtgcagtgt agaagaactt 60
167 ttact 66
170 <210> SEQ ID NO: 13
171 <211> LENGTH: 69
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
178 <400> SEQUENCE: 13
179 aggagatata ccatgactag caaaggagaa actgcacgtg catcgtgcag ttagaactt 60
180 ttactgga 69
183 <210> SEQ ID NO: 14
184 <211> LENGTH: 72
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
191 <400> SEQUENCE: 14
192 aggagatata ccatgactag caaaggagaa gaaactgcac gtgcacgtg cagtgtactt 60
193 ttactggag tt 72
196 <210> SEQ ID NO: 15
197 <211> LENGTH: 75
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A
204 <400> SEQUENCE: 15
205 aggagatata ccatgactag caaaggagaa gaacttactg cacgtgcac gtgcagtgt 60
206 ttactggag ttgtc 75
209 <210> SEQ ID NO: 16

```

RAW SEQUENCE LISTING

DATE: 06/14/2006

PATENT APPLICATION: US/10/538,405A

TIME: 10:33:51

Input Set : A:\21556.TXT

Output Set: N:\CRF4\06142006\J538405A.raw

210 <211> LENGTH: 71
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer D
217 <400> SEQUENCE: 16
218 caaaaaaccc ctcaagaccc gtttagaggc cccaaggggt tgggagtaga atgttaagga 60
219 ttagtttatt a 71
222 <210> SEQ ID NO: 17
223 <211> LENGTH: 60
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A Variant
230 <400> SEQUENCE: 17
231 aggagatata ccatgaaata tacatattct ctgcacgtga tcgtgcaggc taacaccgcg 60
234 <210> SEQ ID NO: 18
235 <211> LENGTH: 60
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A Variant
242 <400> SEQUENCE: 18
243 aggagatata ccatgaaaac atattattct ctgcacgtga tcgtgcaggc taacaccgcg 60
246 <210> SEQ ID NO: 19
247 <211> LENGTH: 60
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A Variant
254 <400> SEQUENCE: 19
255 aggagatata ccatgaaata ttcttataca ctgcacgtga tcgtgcaggc taacaccgcg 60
258 <210> SEQ ID NO: 20
259 <211> LENGTH: 60
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A Variant
266 <400> SEQUENCE: 20
267 aggagatata ccatgaaata ttattctaca ctgcacgtga tcgtgcaggc taacaccgcg 60
270 <210> SEQ ID NO: 21
271 <211> LENGTH: 60
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A Variant
278 <400> SEQUENCE: 21
279 aggagatata ccatgaaata tacatattca ctgcacgtga tcgtgcaggc taacaccgcg 60
282 <210> SEQ ID NO: 22

RAW SEQUENCE LISTING

DATE: 06/14/2006

PATENT APPLICATION: US/10/538,405A

TIME: 10:33:52

Input Set : A:\21556.TXT /

Output Set: N:\CRF4\06142006\J538405A.raw

```

283 <211> LENGTH: 60
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A Variant
290 <400> SEQUENCE: 22
291 aggagatata ccatgaaac atattattca ctgcacgtga tcgtgcaggc taacaccgcg 60
294 <210> SEQ ID NO: 23
295 <211> LENGTH: 60
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A Variant
W--> 301 <400> SEQUENCE: 23
302 aggagatata ccatgaaata ttcatataca ctgcacgtga tcgtgcaggc taacaccgcg 60
305 <210> SEQ ID NO: 24
306 <211> LENGTH: 60
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A Variant
313 <400> SEQUENCE: 24
314 aggagatata ccatgaaata ttattcaaca ctgcacgtga tcgtgcaggc taacaccgcg 60
317 <210> SEQ ID NO: 25
318 <211> LENGTH: 60
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer A Variant
325 <400> SEQUENCE: 25
326 aggagatata ccatgcatca tcatcatcat ctgcacgtga tcgtgcaggc taacaccgcg 60
329 <210> SEQ ID NO: 26
330 <211> LENGTH: 27
331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer Wildtype
337 <400> SEQUENCE: 26
338 aggagatata ccatggctaa caccgcg 27
341 <210> SEQ ID NO: 27
342 <211> LENGTH: 48
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer B
349 <400> SEQUENCE: 27
350 aggattagtt tattaatgat gatgatgatg atggcgccgg gtgcgcga 48
353 <210> SEQ ID NO: 28
354 <211> LENGTH: 60

```

VERIFICATION SUMMARY

DATE: 06/14/2006

PATENT APPLICATION: US/10/538,405A

TIME: 10:33:53

Input Set : A:\21556.TXT

Output Set: N:\CRF4\06142006\J538405A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:301 M:283 W: Missing Blank Line separator, <400> field identifier